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## NOTICE OF ALLOWANCE AND FEE(S) DUE

30593 7590 09/16/2011  
HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. BOX 8910  
RESTON, VA 20195

EXAMINER

ADAMS, EILEEN M

ART UNIT

PAPER NUMBER

2481

DATE MAILED: 09/16/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/653,235

09/03/2003

Kang Soo Seo

46500-000555/US

4845

TITLE OF INVENTION: RECORDING MEDIUM HAVING DATA STRUCTURE FOR MANAGING REPRODUCTION OF STILL IMAGES  
RECORDED THEREON AND RECORDING AND REPRODUCING METHODS AND APPARATUSES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/16/2011

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

#### I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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RESTON, VA 20195

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/653,235 09/03/2003 Kang Soo Seo 46500-000555/US 4845

TITLE OF INVENTION: RECORDING MEDIUM HAVING DATA STRUCTURE FOR MANAGING REPRODUCTION OF STILL IMAGES  
RECORDED THEREON AND RECORDING AND REPRODUCING METHODS AND APPARATUSES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 12/16/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
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ADAMS, EILEEN M 2481 386-125000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/653,235	09/03/2003	Kang Soo Seo	46500-000555/US	4845

  

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EXAMINER
ADAMS, EILEEN M

  

ART UNIT	PAPER NUMBER
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## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 703 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 703 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/653,235	SEO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	EILEEN ADAMS	2481	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 25 February 2010.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1,9,12,15-19,22,28,29,35,36,42,43 and 49.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date <u>04 December 2009; 24 March 2010; 01 June 2010; 29 November 2010; 01 June 2011</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>31 August 2011</u> .</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other ____.</li> </ol> |
|--|---|

/Thai Tran/  
Supervisory Patent Examiner, Art Unit 2484

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Examiner received instruction from primary Examiner Huy Nguyen via email on August 16, 2011 to contact Applicant's Attorney/Agent for authorization to make Examiner's Amendment to correct non-statutory subject matter in Claims 1, 9, 12, and 19. Authorization for this examiner's amendment was given in a telephone interview with John W. Fitzpatrick (Reg. # 41, 018) on August 31, 2011. Additional amendments to Claims 1 and 15-18 proposed by Applicant on August 30 2011 were approved by examiners Eileen Adams and Gelek Topgyal. The amended claims will recite as follows:

**1. A non transitory computer readable medium having a data structure for managing reproduction of at least still images recorded on the non transitory computer readable medium, comprising:**

**a data area storing a first stream file and a second stream file, the first stream file including video data reproducing at least one still image, the second stream file including audio data**

and a playlist area storing at least one playlist file the playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in- point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when the time axis of one still image is pointed by between the in-point and the out-point

and for reproducing a plurality of still images when the time axis of a plurality of still images are pointed by between the in-point and the out-point the at least one sub-playitem indicating an in-point and an out-point that point to positions on a time axis of the second stream file for reproducing the audio data

wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image (cant find), and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem

and wherein the at least one sub-playitem further includes first sync information and second sync information, the first sync information indicating a playitem associated with the at least one sub-playitem, the

**second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.**

**9. The non transitory computer readable medium of claim 1,  
wherein the at least one playitem includes identifiers identifying a clip of data including the at least one still image .**

**12. The non transitory computer readable medium of claim 1,  
wherein the at least one playlist File further includes mark information, and the mark information includes a mark pointing to the at least one still image**

**15. A method of reproducing a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:**

**reproducing a first stream file and a second stream file, the first stream file including video data reproducing at least one still image, the second stream file including audio data;**

**and reproducing at least one playlist file, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when**

the time axis of one still image is pointed by between the in-point and the out-point and for reproducing a plurality of still images when the time axis of a plurality of still images are pointed by between the in-point and the out-point, the at least one sub-playitem indicating an in-point and an out-point that point to positions on a time axis of the second stream file for reproducing the audio data,

wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem,

and wherein the at least one playitem sub-playitem further includes first sync information and second sync information, the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.

**16. An apparatus for reproducing a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:**

**a pick up configured to reproduce data recorded on the recording medium; and a controller configured to control the pick up to reproduce a first stream file and a second stream file,**

**the first stream file including video data reproducing at least one still image, the second stream file including audio data, and configured to control the pick up to reproduce at least one playlist file, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when the time axis of one still image is pointed by between the in-point and the out-point and for reproducing a plurality of still images when the time axis of a plurality of still images are included between the in-point and the out-point,**

**the at least one sub-playitem indicating an in-point and an out-point that point to positions on a time axis of the second stream file for reproducing the audio data,**

**wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one a finite and an infinite**

period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem, and wherein the at least sub-playitem further includes first sync information and second sync information,

the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.

17. A method of recording a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:

recording a first stream file and a second stream file, the first stream file including video data reproducing at least one still image, the second stream file including audio data;

and recording at least one playlist file, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in- point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when the time axis of one still image is pointed by between the in-point and the

**out-point and for reproducing a plurality of still images when the time axis of a plurality of still images are pointed by between the in-point and the out-point, the at least one sub-playitem indicating an in-point and an out-point that point to positions on an time axis of the second stream file for reproducing the audio data,**

**wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem, and wherein the at least one sub-playitem further includes first sync information and second sync information,**

**the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.**

**18. An apparatus for recording a data structure for managing reproduction of at least still images on a recording medium, comprising:**

**a pick up configured to record data on the recording medium; and a controller configured to control the pick up to record a first stream file and a second stream file, the first stream file including video data reproducing at least one still image, the second stream file including audio data,**

**and configured to control the pick up to record at least one playlist file, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in- point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when the time axis of one still image is pointed by between the in-point and the out-point and for reproducing a plurality of still images when the time axis of a plurality of still images are pointed by between the in-point and the out-point, the at least one sub- playitem indicating an in-point and an out-point that point to positions on a time axis of the second stream file for reproducing the audio data,**

**wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem, and wherein the at least one sub-playitem further includes first sync information and second**

**sync information, the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.**

**19. The non transitory computer readable medium of claim 1,  
wherein the first stream file is separate from the second stream file.**

3. Applicant's amendment and remarks filed Feb 25, 2010 with respect to the rejections of **Claims 1, 9, 12, 15-19, 22, 28, 29, 35, 36, 42, 43, and 49** under 35 U.S.C. §103(a) have been considered and the rejections dated November 25, 2009 have been withdrawn.

***Allowable Subject Matter***

4. Claims 2-8, 10-11, 13-14, 20-21, 23-27, 30-34, 37-41, and 44-48 have been canceled. Claims 1, 9, 12, 15-19, 22, 28, 29, 35, 36, 42, 43, and 49 are allowed. In regards to said claims the cited prior art fails to teach or suggest the respective limitations when considered as a whole, specifically:

Art Unit: 2481

- a. first stream file for reproducing a plurality of still images when a plurality of still images are included between the in-point and the out-point,
- b. wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem
- c. and wherein the at least one sub-playitem further includes first sync information and second sync information, the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.

5. As per the independent Claims 1, 15, 16, 17, and 18 Maruyama (US Patent No.: 6, 385, 389) discloses **A non-transitory computer readable medium having a data structure for managing reproduction of at least still images recorded on the computer readable medium, comprising: a data area storing a first stream file**

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**and a second stream file, the first stream file including video data reproducing at least one still image, the second stream file including audio data** (in at least Figs. 3 and 8 - video and audio data areas; Figs. 6A, B - reproduction of video comprising still pictures and audio); **and a playlist area storing at least one playlist file** (at least Fig. 16, video title set information having program chain information table; Col. 20, lines 20-44).

Maruyama does not disclose but Ando (Pub. No.: US 2001-0046371) discloses **the playlist file including at least one playitem and at least one sub-playitem** (Figs. 7-10, 12, 28A, B and 43-48 - PGC or UDPGC having still picture and audio entry points), **the at least one playitem indicating an in- point and an out-point that point to positions on a time axis of the first stream file for reproducing one still image when one still image is included between the in-point and the out-point** (Figs. 7-10, 12, 28A, B - still picture entry points per time), and **the at least one sub-playitem indicating an in-point and an out-point that point to positions on a time axis of the second stream file for reproducing the audio data** (Figs. 28A, B, 43-48 - audio entry points per time),

However, Maruyama and Ando do not disclose **first stream file for reproducing a plurality of still images when a plurality of still images are included between the in-point and the out-point, and wherein the at least one playitem includes first duration information and second duration information, the first duration information indicating whether to display the at least one still image for one of a**

**finite and an infinite period of time, the second duration information indicating a duration for displaying the at least one still image, and the audio data being managed by the sub-playitem is reproduced independently from the at least one still image being managed by the playitem, and wherein the at least one sub-playitem further includes first sync information and second sync information, the first sync information indicating a playitem associated with the at least one sub-playitem, the second sync information indicating a presentation time in the playitem indicated by the first sync information, the presentation time being that the at least one sub-playitem's presentation is started.**

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eileen Adams whose telephone number is (571) 270-3688. The examiner can normally be reached on Mon-Friday from 8:00-

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4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-270-4688

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/EILEEN ADAMS/  
Examiner, Art Unit 2481

/Thai Tran/  
Supervisory Patent Examiner, Art Unit 2484

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